

Appln. No.: 10/824,904
Amdt. dated November 10, 2008

Amendments to the Claims:

Please amend claims 1, 13, 25, 33, 34, 36, 37, 39, and 40, and add new claims 41-46, as shown in the following listing of claims. This listing of claims will replace all prior versions and listings of claims in the application.

1. (currently amended) A method for providing a graphical image on a display of a system, the graphical image being provided from data describing a plurality of primitives, the method comprising:

- (a) storing the plurality of primitives in a plurality of bins;
- (b) adjusting the capacity of one or more of the bins ~~during operation of the system~~
based on the ability of the system to process the primitives of a given bin in parallel;

and

- (c) rendering the plurality of primitives by rendering each of the plurality of bins, bin by bin.

2-12. (cancelled)

13. (currently amended) A computer-readable medium containing a program for providing a graphical image on a display of a system, the graphical image being provided from data describing a plurality of primitives, the program including instructions for:

- (a) storing the plurality of primitives in a plurality of bins;
- (b) adjusting adjusting the capacity of one or more of the bins ~~during operation of the system~~
based on the ability of the system to process the primitives of a given bin in parallel; and
- (c) rendering the plurality of primitives by rendering each of the plurality of bins, bin by bin.

14-24. (cancelled)

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25. (currently amended) A system for providing a graphical image on a display, the graphical image being provided from data describing a plurality of primitives, the system comprising:

a plurality of bins operable to store the plurality of primitives, wherein the capacity of one or more of the bins can be adjusted ~~during operation of the system~~ based on the ability of the system to process the primitives of a given bin in parallel; and

means~~[[,]]~~ for rendering the plurality of primitives by rendering each of the plurality of ~~variable-sized bins, variable-sized bin by variable-sized bin.~~

26-31. (cancelled)

32. (previously presented) The method of claim 1 wherein step (b) comprises dynamically adjusting the capacity of one or more of the bins during operation of the system.

33. (currently amended) The method of claim 1 wherein step (b) comprises adjusting the capacity of one or more of the bins based on ~~a capacity level of the bins~~ the number of primitives in a given bin and based further on the number of processors available to process the primitives.

34. (currently amended) ~~The A method of claim 1 wherein step (b) comprises for providing a graphical image on a display of a system, the graphical image being provided from data describing a plurality of primitives, the method comprising:~~

(a) storing the plurality of primitives in a plurality of bins;

(b) combining bins or portions of bins during operation of the system;

and

(c) rendering the plurality of primitives by rendering each of the plurality of bins, bin by bin.

35. (previously presented) The computer-readable medium of claim 13 wherein the instructions for adjusting the capacity of one or more of the bins during operation of the system

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comprise instructions for dynamically adjusting the capacity of one or more of the bins during operation of the system.

36. (currently amended) The computer-readable medium of claim 13 wherein the instructions for adjusting the capacity of one or more of the bins during operation of the system comprise instructions for adjusting the capacity of one or more of the bins based on ~~a capacity level of the bins~~ the number of primitives in a given bin and based further on the number of processors available to process the primitives.

37. (currently amended) ~~The method of claim 13 wherein the instructions for adjusting the capacity of one or more of the bins during operation of the system comprise~~ A computer-readable medium containing a program for providing a graphical image on a display of a system, the graphical image being provided from data describing a plurality of primitives, the program including instructions for:

- (a) storing the plurality of primitives in a plurality of bins;
 - (b) combining bins or portions of bins during operation of the system;
- and
- (c) rendering the plurality of primitives by rendering each of the plurality of bins, bin by bin.

38. (previously presented) The system of claim 25 wherein the capacity of one or more of the bins can be dynamically adjusted during operation of the system.

39. (currently amended) The system of claim 25 wherein the capacity of one or more of the bins can be adjusted based on ~~a capacity level of the bins~~ the number of primitives in a given bin and based further on the number of processors available to process the primitives.

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40. (currently amended) ~~The A system of claim 25 further for providing a graphical image on a display. the graphical image being provided from data describing a plurality of primitives, the system comprising:~~

a plurality of bins operable to store the plurality of primitives, wherein the capacity of one or more of the bins can be adjusted during operation of the system:

means for combining bins or portions of bins; and

means for rendering the plurality of primitives by rendering each of the plurality of bins, bin by bin.

41. (new) The system of claim 40 wherein the means for combining bins or portions of bins comprises means for combining bins or portions of bins based on the ability of the system to process the primitives of a given bin in parallel.

42. (new) The system of claim 40 wherein the means for combining bins or portions of bins comprises means for combining bins or portions of bins based on the number of primitives in a given bin and based further on the number of processors available to process the primitives.

43. (new) The method of claim 34 wherein step (b) comprises combining bins or portions of bins based on the ability of the system to process the primitives of a given bin in parallel.

44. (new) The method of claim 34 wherein step (b) comprises combining bins or portions of bins based on the number of primitives in a given bin and based further on the number of processors available to process the primitives.

45. (new) The computer-readable medium of claim 37 wherein the instructions for combining bins or portions of bins comprise instructions for combining bins or portions of bins based on the ability of the system to process the primitives of a given bin in parallel.

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46. (new) The computer-readable medium of claim 37 wherein the instructions for combining bins or portions of bins comprise instructions for combining bins or portions of bins based on the number of primitives in a given bin and based further on the number of processors available to process the primitives.